

ABSTRACT

TITLE:

Raman spectrometry apparatus

APPLICANT:

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INVENTION OF:

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The invention concerns a Raman spectrometry apparatus containing a source of excitation (14), optical means (16) of excitation directing a beam of excitation (15) derived from that source on the sample (17), means (18) for collecting the energy diffused by the sample (17) containing an inlet diffusion slot (19), a spectral dispersion system (20), means for selecting the Raman energy (23), a detector (22), optical detection means (21) directing the Raman energy thus collected and selected to the detector (22). According to the invention, the optical means (16) of excitation cause the beam of excitation (15) to be dispersed by the dispersion system (20), said optical means (16) of excitation containing an inlet slot (24) and an outlet slot of excitation constituted by the inlet diffusion slot (19) and selecting the wavelength of excitation.

Figure 4